



Arduino Temp / Humidity Monitor with Web and SNMP

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TOOLS:

- [Soldering Iron, Wire strippers \(1\)](#)



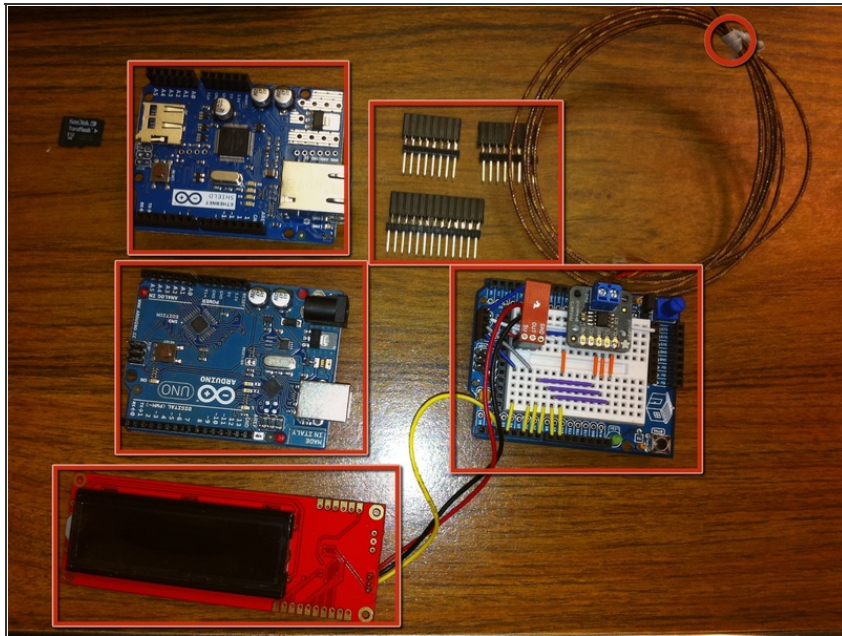
PARTS:

- [Arduino Uno \(1\)](#)
- [Arduino Netshield \(1\)](#)
- [MakerShield \(1\)](#)
- [Header pins, male, snap-off \(1\)](#)
- [Header pins, female, snap-off \(1\)](#)
- [adafruit max6675 temp sensor \(1\)](#)
- [humidity sensor \(1\)](#)
- [Jumper Wire \(1\)](#)

SUMMARY

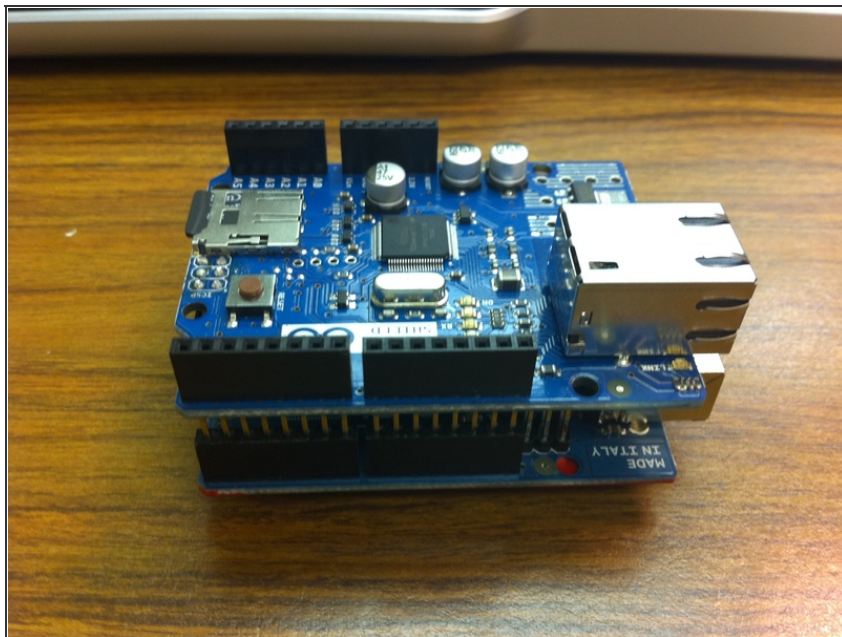
It is important that you have a working knowledge of the Arduino, networking and basic programming.

Step 1 — Arduino Temp / Humidity Monitor with Web and SNMP



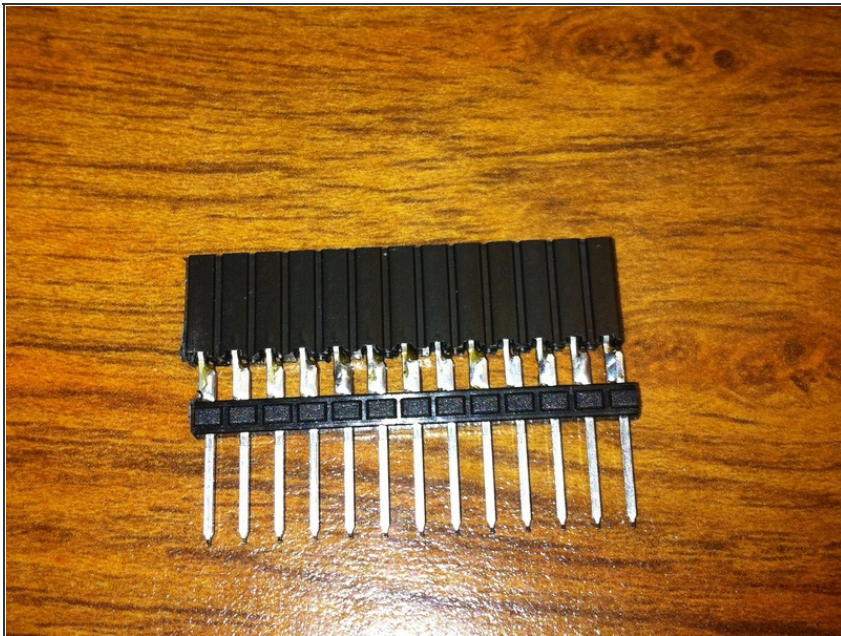
- Here are the pieces needed for this project:
- Arduino UNO
- Netshield
- MakerShield with Breadboard
- Sensors
- Wires
- Serial LCD Screen


Step 2



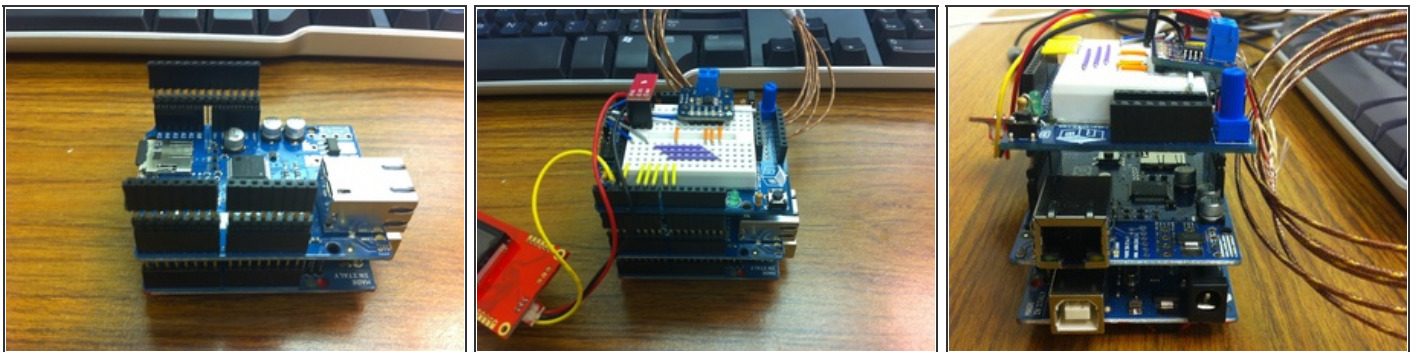
- Add the Netshield to the Arduino.

Step 3



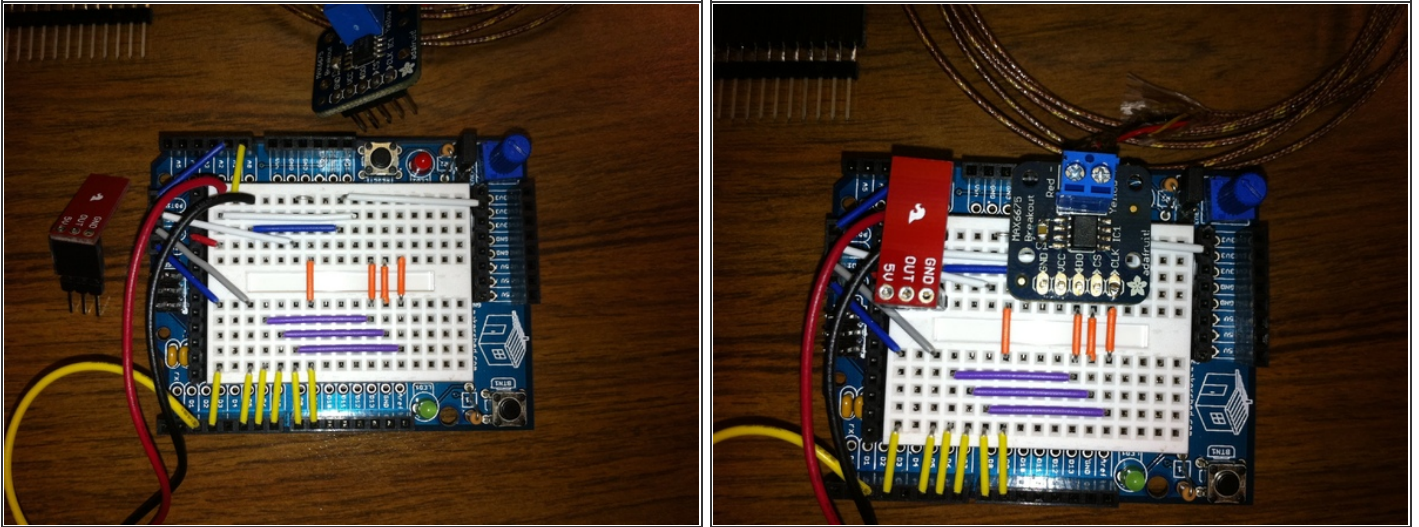
- Solder custom header pins to use as a spacer for the MakerShield.
- Using long-pin male headers and long-pin female headers solder them as shown.
- These custom headers will be used as spacers between the Netshield and the MakerShield.
- NOTE: The center pin on the longer spacer will not be used. I left it to make the unit stronger. 

Step 4



- Add the spacers.
- Add the MakerShield.
- As you can see, the spacers give plenty of room and prevent grounding issues.

Step 5



- Add custom wires to breadboard.
- Add sensors.

Step 6

- Add code to the Arduino.
- A PDF of the sketch is included with this project.

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